

TABLE A-13

Quality Control Acceptance Criteria for Method 413.1 — Oil and Grease

RL - Water = 10 mg/L
Accuracy Water (% R) = 75-125
Precision Water (RPD) = ± 20

QC Check	Minimum Frequency	Acceptance Criteria	Corrective Action ^a	Flagging Criteria ^b
Method blank	One per analytical batch	< RL	Correct problem then reprep and analyze method blank and all samples processed with the contaminated blank	Apply U to all results for the specific analyte in all samples in the associated analytical batch whose concentration is less than 5 times blank concentration.
LCS	One per analytical batch	75-125 % recovery	Correct problem then reprep and analyze the LCS and all samples in the affected analytical batch	For specific analyte in all samples in the associated analytical batch: if the LCS %R > UCL, apply J to all positive results if the LCS %R < LCL, apply J to all positive results, apply UJ to all non-detects. If LCS <50%, R flag results
MS/MSD	One MS/MSD per every 40 samples.	75-125% recovery and <20% RPD	None	Flagging to be based on site information and reviewer's judgement. Recommended flags are J for positive results and UJ for non-detects. See NOTE c.

^a All corrective actions associated with project work shall be documented, and all records shall be maintained by the laboratory.

^b Flagging criteria are applied when acceptance criteria were not met and corrective action was not successful or corrective action was not performed.

^c Accuracy and precision information from a MS/MSD may be biased due to heterogeneity of the samples; an entire 1 liter sample must be used for the native, and the MS/MSD determinations. For this reason MS/MSD's may have limited use.